Roland TR-626 ROM Expansion

Installation Instructions & Sound Chart
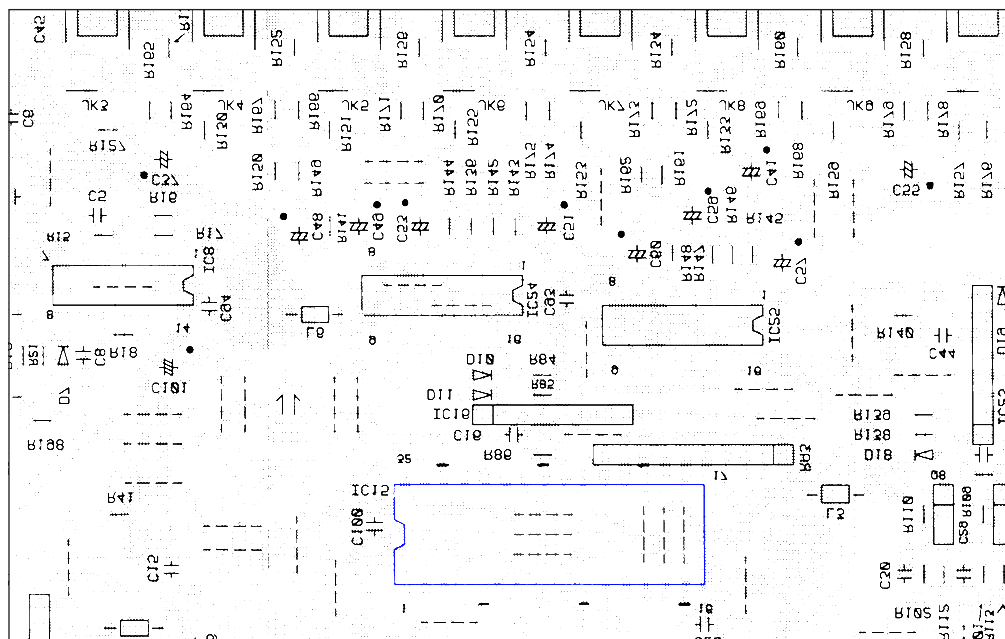
The kit includes the following:

1x   Pre-assembled ROM expansion board
1x   32-way turned pin IC socket
2x   2-position toggle switches

You will need:

Fine-tipped soldering iron & solder (tin / lead alloy recommended)
Desoldering pump or solder wick
Phillips head screwdriver
Wire strippers
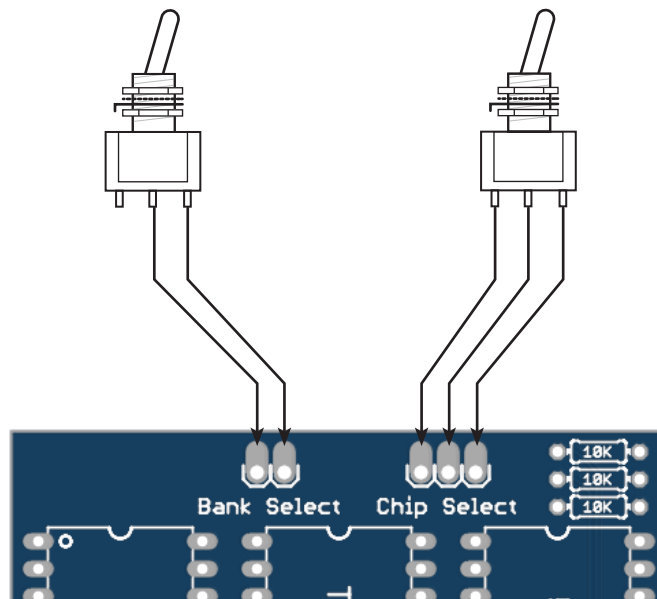Small-gauge stranded core wire

Installation

1. Remove any batteries if they are installed, and remove the 7x screws on the bottom of the TR-626. With the TR-626 lying top down, remove the bottom case and disconnect the cable from the battery compartment.

2. Unscrew and disconnect the jack board that sits above the main board & RF shield. Set it aside.

3. Remove the 5x screws that secure the RF shield to the underneath of the main board. On some early machines, the RF shield is instead soldered to the main board and will have to be desoldered.

4. Remove the 4x screws that hold the main board to the top case. Remove the main board, carefully disconnecting the 3x Molex connectors that join it to the top case.

5. Remove the 2x screws that hold the RF shield to the panel board. Discard the RF shield and the card sheet (if present) and replace the screws again.

6. Locate IC15 on the main board (it is located roughly in the centre). Desolder it, being careful not to lift any pads or damage any pins. Fit the included 32-way IC socket in its place.
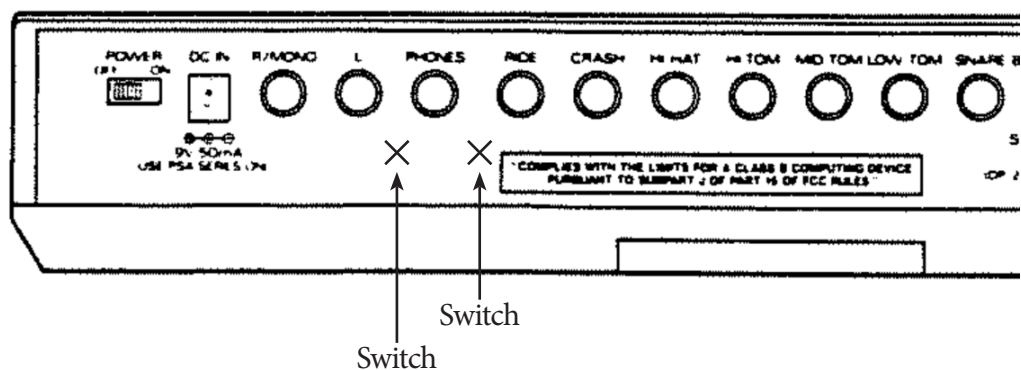

7. Insert the ROM chip you just removed into the empty socket on the ROM expansion board, paying attention to the orientation. Plug the board into the socket on the main board, making sure that all the pins are aligned correctly. The board extends towards the jack sockets at the back of the case. You may need to bend the capacitors at an angle so that they do not hit any pins on the underneath of the board.

8.   Connect the toggle switches to the expansion board using 5x 35cm lengths of wire as shown:

9.   Reinstall the main board in the case, reconnecting the Molex connectors from the panel boards (CN2 and CN3 connect to CN102 and CN103 respectively). Replace the 4x screws.

10.   With the main board reinstalled, mark and drill the holes for the toggle switches between the L, PHONES and RIDE output jacks and 1cm up from the bottom edge of the top case. Fit the toggle switches.

11.   Reinstall the jack board and reconnect the cable going to it from the main board. Also reconnect the cable from the battery compartment and replace the bottom case, with the 7x screws that hold it on.

Sound Chart

The ROM Expansion has two new sound banks. The CHIP SELECT switch sets whether the original TR-626 bank is being used, or an expansion bank. The BANK SELECT switch sets which of the two expansion banks is being used. Both switches can be used while the TR-626 is running.

Original TR-626 Bank	Expansion Bank A	Expansion Bank B
Bass Drum 1	LinnDrum Bass	DMX Bass
Bass Drum 2	LM-1 Bass	TR-707 Bass
Snare Drum 1	LinnDrum Snare	DMX Snare
Snare Drum 2	LinnDrum Rock Snare	DMX Electro Snare
Snare Drum 3	LM-1 Snare	TR-707 Snare
Rim Shot	LinnDrum Rim Shot	DMX Rim Shot
Low Tom 1	LinnDrum Low Tom	DMX Low Tom
Mid Tom 1	LinnDrum Mid Tom	DMX Mid Tom
High Tom 1	LinnDrum High Tom	DMX High Tom
Low Tom 2	LM-1 Low Tom	TR-707 Low Tom
Mid Tom 2	LM-1 Mid Tom	TR-707 Mid Tom
High Tom 2	LM-1 High Tom	TR-707 High Tom
Closed Hi-Hat	LinnDrum Closed Hi-Hat	DMX Closed Hi-Hat
Open Hi-Hat	LinnDrum Open Hi-Hat	DMX Open Hi-Hat
Cowbell	LinnDrum Cowbell	DMX Cowbell
Tambourine	LinnDrum Tambourine	DMX Tambourine
Low Timbale	LM-1 Closed Hi-Hat	TR-707 Closed Hi-Hat
High Timbale	LM-1 Open Hi-Hat	TR-707 Open Hi-Hat
Low Agogo	LM-1 Low Conga	TR-707 Cowbell
High Agogo	LM-1 Hi Conga	TR-707 Tambourine
Low Conga	LinnDrum Low Conga	DMX Low Conga
Open Hi Conga	LinnDrum Hi Conga	DMX High Conga
Mute Hi Conga	LM-1 Cabasa	TR-707 Cabasa
Hand Clap	LinnDrum Hand Clap	DMX Hand Clap (old)
Shaker	LinnDrum Cabasa	DMX Cabasa
Claves	LM-1 Hand Clap	DMX Hand Clap (new)
Crash Cymbal	LinnDrum Crash Cymbal	DMX Crash Cymbal
Ride Cymbal	LinnDrum Ride Cymbal	DMX Ride Cymbal
China Cymbal	LinnDrum Hand Clap*	DMX Hand Clap (old)*
Cup	LM-1 Hand Clap*	DMX Hand Clap (new)*

 *As the TR-626 lacks multi outputs for hand claps, the two expansion banks have the clap sounds duplicated to the China Cymbal and Cup sound locations so these sounds can come out of the Crash and Ride outputs.

(They also share polyphony with the Crash / Ride Cymbal voice)